**BONDING REVIEW**

Three Types of Bonding: Ionic, Covalent, and Metallic

**Chapter 7**: Ionic Bonding and Metallic Bonding

**Chapter 8**: Covalent Bonding

**Terms to know:**

Ion cation anion polyatomic ion molecule formula unit

Polar nonpolar bond dipole crystal lattice dissociation

Single double triple coordinate covalent lone pair Lewis dot formula

Structural formula molecular formula alloy octet rule

Resonance VSPER theory van der Waal Forces hydrogen bonding

Dispersion forces

* Know the various characteristic of metals due to their metallic bonding(sea of electrons): luster, malleability, ductility, conductivity, etc.
* Make sure you know the numerical cutoffs for bond types.
* Know/review how to draw Lewis dot structures for molecules and what shape they may be.

**Review electron configurations!!**

**Great questions to review for the test that are in your text:**

**Pg.214 - 216** #33, 34, 36, 40, 41, 45, 46, 48, 51, 62, 63, 75

**Pg. 256- 258** #39, 40, 41, 42, 43, 44, 45, 47, 48, 49, 57, 58, 65, 66, 68, 70

I don’t expect you to do all of these questions, but you should look over them and focus on the ones you know you do not know. I may use some of these exact questions on the test!